



COVID-19

Risk for COVID-19 Infection, Hospitalization, and Death By Age Group

Updated Apr. 29, 2022

Rate compared to 18-29 years old ¹	0-4 years old	5-17 years old	18-29 years old	30-39 years old	40-49 years old	50-64 years old	65-74 years old	75-84 years old	85+ years old
Cases ²	<1x	1x	Reference group	1x	1x	1x	1x	1x	1x
Hospitalization ³	1x	<1x	Reference group	2x	2x	3x	5x	8x	10x
Death ⁴	<1x	<1x	Reference group	4x	10x	25x	65x	140x	330x

All rates are relative to the 18- to 29-year-old age category. This group was selected as the reference group because it has accounted for the largest cumulative number of COVID-19 cases compared to other age groups. Sample interpretation: Compared with 18- to 29-year-olds, the rate of death is four times higher in 30- to 39-year-olds, and 330 times higher in those who are 85 years and older. (In the table, a rate of 1x indicates no difference compared to the 18- to 29-year-old age category.)

References

¹ Rates are expressed as whole numbers, with values less than 10 rounded to the nearest integer, two-digit numbers rounded to nearest multiple of five, and numbers greater than 100 rounded to two significant digits.

² Includes all case notifications from state and territorial jurisdictions (through April 20, 2022, accessed on April 21, 2022), [COVID-19 Case Surveillance Public Use Data | Data | Centers for Disease Control and Prevention \(cdc.gov\)](#). The denominators used to calculate rates were based on the [2019 Vintage population](#).

³ Includes all hospitalizations identified through [COVID-NET](#) (from March 1, 2020 through April 16, 2022, accessed on April 21, 2022). Rates were standardized to the 2020 US standard COVID-NET catchment population. Starting the week ending 12/4/2021, Maryland temporarily halted data transmission of COVID-19 associated hospitalizations, impacting COVID-NET age-adjusted and cumulative rate calculations. Hospitalization rates are likely underestimated ([link](#)).

⁴ Includes all deaths in National Center for Health Statistics (NCHS) [provisional death counts](#) (through April 16, 2022, accessed on April 21, 2022). The denominators used to calculate rates were based on the 2019 Vintage population.